

Texas

Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	24,474	453,928	3	Total R&D performance, 1995 (millions)	\$8,385	\$177,210	6
Doctoral engineers, 1995	6,047	86,738	2	Industry R&D, 1995 (millions)	\$6,211	\$130,332	6
S&E doctorates awarded, 1996	1,710	27,230	3	Academic R&D, 1996 (millions)	\$1,513	\$22,481	3
of which, in engineering	29%	23%		of which, in life sciences	59%	56%	
in life sciences	24%	25%		in engineering	17%	16%	
in physical sciences	13%	14%		in environmental sciences	8%	6%	
S&E postdoctorates, 1996	2,284	37,019	4	Higher education current-fund expenditures, 1995 (millions)	\$9,773	\$182,602	4
S&E graduate students, 1996	27,018	430,631	3	Number of SBIR awards, 1990-1997	1,090	31,155	7
in doctorate-granting institutions				Patents issued to state residents, 1997	4,140	61,699	3
Population, 1997 (000s)	19,439	271,464	2	Gross state product, 1996 (billions)	\$551.8	\$7,677.4	3
Civilian labor force, 1997 (000s)	9,881	137,564	2	of which, agriculture	1%	2%	
Personal income per capita, 1997	\$23,656	\$25,598	29	manufacturing, mining, construction	28%	23%	
Federal spending				transportation, communication, utilities	11%	8%	
Total expenditures, 1997 (millions)	\$88,332	\$1,405,060	3	wholesale and retail trade	16%	16%	
R&D obligations, 1996 (millions)	\$3,494	\$66,087	5	finance, insurance, real estate	14%	19%	
				services	18%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
Total, all agencies	3,493,544	537,802	831	2,161,664	644,151	144,245	4,851	5
Department of Agriculture	57,538	42,745	0	82	14,686	0	25	4
Department of Commerce	20,071	2,611	0	13,777	3,435	248	0	12
Department of Defense	1,434,319	118,521	831	1,161,312	59,427	94,228	0	7
Department of Energy	33,494	0	0	7,137	25,063	944	350	19
Dept. of Health & Human Services	469,664	928	0	7,711	427,655	32,568	802	6
Department of Interior	10,486	7,469	0	175	2,372	170	300	15
Department of Transportation	16,266	0	0	8,535	1,592	2,765	3,374	8
Environmental Protection Agency	8,320	0	0	5,927	2,297	96	0	15
Nat'l Aeronautics & Space Admin.	1,365,003	365,528	0	955,246	31,349	12,880	0	2
National Science Foundation	78,383	0	0	1,762	76,275	346	0	8
State rank	5	8	19	4	6	7	7	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable